HOUSE No. 1375

By Mr. Petersen of Marblehead, petition of Douglas W. Petersen and others relative to the abatement of scrap tire stockpiles and the proper management of scrap tire generation. Environment, Natural Resources and Agriculture.

The Commonwealth of Massachusetts

PETITION OF:

Douglas W. Petersen Anthony J. Verga Michael E. Festa

In the Year Two Thousand and Five.

AN ACT RELATIVE TO THE ABATEMENT OF SCRAP TIRE STOCKPILES AND THE PROPER MANAGEMENT OF SCRAP TIRE GENERATION.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:

- 1 SECTION 1. Whereas, Disposal of scrap tires is a national and
- 2 a state problem; and
- 3 Whereas, In the Commonwealth of Massachusetts it is esti-
- 4 mated that there may be as many as 10 million scrap tires stock-
- 5 piled throughout the Commonwealth; and
- 6 Whereas, It is estimated that there are six million scrap tires
- 7 generated in the Commonwealth each year; and
- 8 Whereas, The scrap tire problem is exacerbated by the fact that
- 9 tires do not decompose; and
- Whereas, Whole scrap tires are already prohibited from being
- 11 placed in landfills;
- Whereas, Scrap tire stockpiles improperly managed pose a risk
- 13 to public health and safety and constitute a perfect breeding
- 14 ground for disease-carrying vectors, including encephalitis-car-
- 15 rying mosquitoes; and
- Whereas, Improperly managed scrap tire stockpiles present fire
- 17 hazards, and while tires are themselves not hazardous, when they
- 18 burn they release hazardous substances, including known carcino-

19 gens such as bezo(a)pyrene and benzene, and oil that may contain 20 heavy metals, including arsenic, cadmium, chromium, and lead; 21 and

Whereas, The illegal stockpiling of scrap tires has resulted in criminal prosecutions brought by the Attorney General's office and, due to the potential for the release of hazardous materials during fires at such stockpiles, abatement of such stockpiles has occurred through the use of funds normally intended for cleanup of hazardous waste under the state's oil and hazardous materials release law, using funds normally intended for the cleanup of hazardous waste to abate tire dump sites; and

Whereas, The estimated cost of fighting fires at tire stockpiles
 is significant, at one fire alone costs borne by the Commonwealth
 exceeded \$300,000 and consumed 1,200 hours of supervision; and
 Whereas, Estimated ratio of costs of firefighting and post-fire fighting activities at tire stockpiles compared to normal stockpile
 abatement activities is 10 to one; and

Whereas, There are many existing and potential markets for whole and processed scrap tires including production of rubber-modified asphalt, rubber and plastic products, and use of tires for tire-derived fuel in power plants, cement kilns, pulp and paper plants,

It is hereby resolved, That in order to ensure the identification and efficient cleanup of the existing scrap tire stockpiles in the Commonwealth and to assure that the annual generation of scrap tires in the Commonwealth is collected, transported, stored, disposed, processed, and managed in a proper manner so as to prevent the health and safety problems described above, the General Court hereby establishes the Scrap Tire Abatement and Management Program.

1 SECTION 2. Definitions.

- Section 2 of Chapter 21H of the General Laws, as appearing in the 2002 Official Edition, is hereby amended as follows:—
- by inserting, in line 9, the words "a scrap tire stockpile abatement project or" after the words:— Clean up; and
- by adding, in line 15, following the word "facility," the words
 for the closure or abatement of a scrap tire stockpile or for the

8 closure of a site or location owned or operated by a scrap tire col-9 lector".

10 Section 2 of said Chapter 21H is further amended by inserting, after line 35, the following:— 11

12 "Energy recovery" means using the heat content or other forms of energy from the burning or pyrolysis of scrap tires.

"End use market" means any person that receives whole or 14 15 shredded tire materials and utilizes the materials as a finished product or as a raw material for a manufacturing, retreading, or energy recovery process. The activity of processing, itself, is not 18 an end market.

19 Section 2 of Chapter 21H is further amended by inserting, in 20 line 39, as part of the definition for "facility," the words "scrap 21 tire stockpile" after the words "composting plant."

22 Section 2 of said Chapter 21H is further amended by inserting, 23 after line 42, the following:—

"New tire" means a tire that has never been placed on a motor 25 vehicle wheel rim. The term does not include retreaded tires.

26 Section 2 of said Chapter 21H is further amended by inserting, in line 52, after the word "property," the words ", and any stockpiling of scrap tires or shredded tire material."

29 Section 2 of said Chapter 21H is further amended by inserting, 30 after line 56, the following:—

"Recycling" means to recover materials or byproducts which 32 are: (a) a reused; of (b) used as an ingredient or a feedstock in an 33 industrial or manufacturing process to make a marketable product or (c) used in a particular function or application as an effective 35 substitute for a commercial product or commodity. Recycle does not mean to recover energy from the combustion of a material.

"Retreaded tire" means a tire that has had its original tread 37 38 and/or shoulder removed from the casing and replaced with a new tread and/or shoulder to extend its serviceable life. Once the ser-40 viceable life of the retreaded tire has been exhausted, the tire becomes a scrap tire.

42 "Scrap tire" means any whole tire or part of a tire that is no 43 longer being used on a motor vehicle because of wear, damage or 44 defect, whether or not the tire can be retreaded. This term includes 45 retreaded tires that have exhausted their serviceable life.

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46 "Scrap tire collector" means a person who possesses some 47 quantity of scrap tires or shredded tire material, and includes scrap tire generators, transporters, processors, end use markets, and solid waste disposal facilities. This term does not include a person 50 who has collected or stored at his or her place of residence five scrap tires or less nor does it include any person exempted by 52 Department regulations under this Chapter.

"Scrap tire generator" means a person that removes a tire from a vehicle without reinstalling it on that or any other vehicle. This term includes persons who sell new tires at retail and persons who 56 retread tires insofar as the person who retreads tires has on the premises or under his/her control any quantity of retreaded tires that have exhausted their serviceable life as a retreaded tire, or who have on their premises or under his/her control any quantity of other scrap tires. This term does not include to a person who has collected or stored at his or her place of residence five scrap tires or less.

"Scrap tire processor" means a person who alters, converts, or size-reduces scrap tires for recycling or energy recovery. This term does not include a person that retreads tires.

"Scrap tire stockpile" means any site or location that is used for the storage, collection, deposit, or disposal of scrap tires or shredded tire material not in conformity with the provisions of this Act or regulations promulgated under this Act. This term does not include tires located at a residential household as long as there are not more than five tires at that site.

"Scrap tire stockpile abatement" means preventive or corrective 73 measures including, but not limited to, fire prevention or mosquito control measures, and/or removal, cleanup, or closure of scrap tire stockpiles and/or shredded tire materials not properly stored or managed for proper processing and/or disposal.

"Scrap tire transporter" means a person who transports scrap 78 tires or shredded tire material for the purpose of storage, processing, disposal, or end use. This term does not include a person who transports from his or her place of residence not more than ten scrap tires to a registered transporter, registered processor, or to a location established by a town or municipality as part of a "scrap tire amnesty day" in accordance with paragraph (d) of 84 Section 4D.

85 "Shredded tire material" means pieces of scrap tire resulting 86 from the processing, cutting, or other size-reduction of scrap tires.

- SECTION 3. Chapter 21H of the General Laws, as appearing in 2 the 2002 Official Edition, is hereby amended by adding the following sections between Sections 4 and 5:
- Section 4A. Scrap Tire Management Program.
- 5 To bring about the abatement of scrap tire stockpiles and the
- proper management of scrap tire generation, the Bureau of Waste
- Prevention of the Department shall create a Scrap Tire Manage-
- ment Program, to be controlled by the Division of Solid Waste. The Department shall adopt rules, regulations, procedures and
- 10 standards as may be necessary for the implementation of this pro-11 gram.
- 12 In creating and implementing the Scrap Tire Management Pro-
- gram, the Department shall consider whether scrap tires and
- 14 shredded tire material may be used in energy recovery facilities
- 15 within the Commonwealth in a manner protective of public health,
- 16 safety, and the environment and, if so, shall adopt rules, regula-
- tions, procedures and standards regarding such use. 17
- 18 Section 4B. Identification of Scrap Tire Stockpiles.
- 19 Within twelve months of the enactment of this Act, the Depart-
- 20 ment will conduct a study and prepare a list based upon the study
- identifying existing scrap tire stockpiles in the Commonwealth.
- The Department must include in its list the location of the stock-
- piles; name(s), addresses, telephone numbers of owner/operators
- of stockpiles; estimated number of scrap tires in each stockpile;
- and general condition of the stockpiles.
- The Department must make the list available to the public upon 26 27 request.
- 28 The Department must also rank each identified scrap tire stock-
- pile in terms of the priority it should receive in carrying out
- 30 enforcement activities under this Act and other applicable laws of
- the Commonwealth. The following criteria, at a minimum, will be
- used in determining rank and priority status for scrap tire stock-
- piles: number of tires in stockpile; threat posed by potential fires;
- 34 health risks posed by stockpile; complaints brought to the atten-
- 35 tion of the Department concerning a stockpile; enforcement
- 36 actions brought against or to be brought against operator/owner of

- 37 stockpile; willingness of owner/operator of stockpile and/or local
- 38 authorities to expedite abatement activities at stockpile; and prox-
- 39 imity of stockpile to populated areas and density of populations.
- 40 Section 4C. Scrap Tire Management Fee.
- 41 (a) Beginning six months after the effective date of this 42 Chapter, for any new tire sold at retail, the retailer shall pay the 43 following fee:
- 44 (1) any new tire having a rim diameter of 20 inches or greater, a 45 fee of \$3.00 must be paid,
- 46 (2) for any new tire having a rim diameter less than 20 inches, a 47 fee of \$1.50 must be paid.
- (b) All fees to be paid in accordance with subsection (a) of this section, shall be submitted in accordance with section sixteen of chapter sixty-two C of the General Laws, as appearing in the 1998 Official Edition, such fees to be accounted for separately from sales tax proceeds. Fees paid in accordance with this section shall be paid into the Scrap Tire Management Fund established under Section 4D of this Chapter. The fees shall be collected in accordance with regulations developed under this Chapter.
- 56 (c) Each person who sells new tires at retail and who must pay
 57 fees in accordance with this section must maintain in his or her
 58 books and records evidence that the appropriate fee was paid for
 59 each new tire sold. All records, invoices, and other documents
 60 showing the number of new tires sold by such person and payment
 61 of the required fee must be made available for inspection by the
 62 Department of Environmental Protection and the Department of
 63 Revenue.
- 64 (d) The requirement that this fee be paid will terminate ten 65 years from the enactment of this Act, unless legislation is passed 66 extending the fee payment period.
- 67 Section 4D. Scrap Tire Management Fund.
- The Scrap Tire Management Fund shall be used for the following purposes:
- 70 (a) scrap tire stockpile abatement performed or authorized by 71 the Department (no less than 60% of the amounts credited to the 72 Fund must be used for scrap tire stockpile abatement, provided 73 that when and if 50% of the stockpiles are abated, only 30% of the 74 amounts credited to the fund must be used for scrap tire stockpile 75 abatement);

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- 76 (b) low interest loans and grants to support business endeavors, 77 including but not limited to, research and development projects 78 regarding the generation, reuse, recycling or disposal of scrap 79 tires, provided that no low interest loans or grants may be pro-80 vided for any business endeavors involving combustion of scrap tires for energy recovery;
- (c) development and distribution of educational materials on 83 the scrap tire problem in the Commonwealth, the importance of reuse and recycling of scrap tires, and the purpose and structure of 85 the scrap tire management program;
- 86 (d) preparation of guidance and information for towns and 87 municipalities in the Commonwealth concerning the establishment of "scrap tire amnesty days" whereby residents may bring up to five scrap tires per person to a designated location within the town 90 or municipality to be picked up by a registered scrap tire transporter for delivery to a registered processor in accordance with 92 this Chapter;
- 93 (e) additional Department personnel needed to implement, 94 enforce and operate the scrap tire management program, including conducting of a study of the effectiveness and details concerning 96 the program;
- 97 (f) establishment of a grant program to be administered by the 98 state fire marshal to provide funds to local fire departments for the 99 purchase of firefighting suppression equipment and supplies to 100 mitigate fires at tire stockpiles (this amount will not exceed 101 \$50,000 per year) and to the department of fire services to develop 102 and administer fire training programs for participation by local 103 fire departments specific to tire stockpile fires (not to exceed 104 \$25,000 per year); and
- (g) an audit performed once every two years by an independent 106 accounting firm to ensure that the allocation decisions and the 107 uses of Fund monies by recipients are consistent with the purposes 108 of this Chapter.
- 109 Section 4E. Scrap Tire Generators.
- Each person who sells or offers for sale new tires at retail or 110 111 retreaded tires at retail must accept from each customer at least one scrap tire for each one sold by such person to the customer.
- 113 Section 4F. Scrap Tire Management Tracking Form.

- The Department must develop a Scrap Tire Management Tracking Form ("tracking form"). The tracking form must include space to record at least the following information:
- (i) name, address, telephone number, and signature of the scrap tire generator;
- 119 (ii) name, address, telephone number, and signature of the scrap 120 tire transporter;
- 121 (iii) name, address, telephone number, and signature of the 122 scrap tire processor, end use market, or permitted disposal facility; 123 and
- 124 (iv) the number or total weight of scrap tires being transferred 125 for collection, storage, transportation, processing, or disposal.
- 126 Section 4G. Scrap Tire Transporter.
- 127 (a) Registration.
- Within twelve months of the effective date of this Act, each scrap tire transporter must register with the Department on a registration form to be developed and made available to transporters by the Department. The registration form shall include information on transporter and transporter vehicles. The Department shall require a registration fee to cover the costs of administering and determining compliance with this section. The transporter must also secure and maintain liability coverage pertaining to scrap tire and shredded scrap tire transportation. Such registration shall be subject to suspension and revocation for failure to comply with any provision of this Chapter.
 - (b) Scrap Tire Management Tracking Form.
- A scrap tire transporter that accepts scrap tires from a scrap tire generator or shredded tire material from a scrap tire processor must provide said generator/processor with a copy of the tracking form required under Section 4F. The fees collected under this Section shall be paid into the Scrap Tire Management Fund established under Section 4D of this Chapter. The tracking form must be signed and completed by both the transporter and the generator/ processor. The tracking form must be signed and completed before the scrap tires or shredded tire materials are removed. Within 30 business days of delivery to the transporter of the scrap tires or shredded tire materials, the transporter must provide a copy of the tracking form, signed and completed by such processor, end use market, or solid waste management facility to

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153 all signatories of said form. All signatories must maintain a copy 154 of the tracking form for a period of six years from the date of 155 completion and make them available to the Department of Envi-

156 ronment and the Department of Revenue upon request.

157 Section 4H. Scrap Tire Processors.

158 (a) Notwithstanding any other permits or licenses required under this Act or other laws of the Commonwealth, within twelve 159 months of the effective date of this Act, each scrap tire processor in the Commonwealth must register with the Department. The 162 Department shall charge a fee for such registration to cover the 163 cost of registration review and determination of compliance with 164 this Act. The fees collected under this Section shall be paid into the Scrap Tire Management Fund established under Section 4D of 165 166 this Chapter.

The registration must contain, at a minimum, the following: the 168 name and address of the owner and/or operator of the business; the name and address of the business; a description of the type of scrap tire processing business being operated or to be operated at the described location; and the number of scrap tires processed or 172 likely to be processed annually, including the number of scrap 173 tires generated in the Commonwealth and the number of scrap 174 tires that will be accepted from outside of the Commonwealth, if any. Such registration shall be subject to suspension and revoca-176 tion for failure to comply with any provision of this Chapter.

(b) The Department shall also promulgate regulations concerning recordkeeping that would enable a processor who so chooses to qualify as eligible for the mandatory procurement 180 specifications described in paragraph (f) of section 4L. Such 181 recordkeeping requirements must, if complied with, enable a 182 processor to demonstrate to the Department that at least 10 percent of the scrap tires processed on an annual basis by the processor are derived from scrap tire stockpiles identified under section 4B of this Chapter. The recordkeeping provisions devel-186 oped under this section must require, at a minimum, that information on the number of tires derived from a stockpile or stockpiles be recorded, specifically identifying the stockpile(s) and date(s) on which the scrap tires from such stockpile(s) were derived, and 190 the number of scrap tires derived from sources other than scrap 191 tire stockpiles.

- 192 (c) A scrap tire processor must sign and maintain a properly 193 completed copy of the scrap tire management tracking form, as 194 required by Section 4F of this Act, for each shipment or delivery 195 of scrap tires by a scrap tire transporter. A processor must make 196 each scrap tire management form available to the Department for 197 inspection upon request.
- 198 (d) The Department, by regulation, shall require a scrap tire 199 processor, as a condition of registration, to accept up to 10 scrap 200 tires from a person who is a resident of the Commonwealth and 201 who has collected or stored at his or her place of residence 10 tires 202 or less and who delivers or causes to be delivered such scrap tires 203 to such registered processor or to a registered transporter trans-204 porting scrap tires for a registered processor in accordance with a 205 "scrap tire amnesty day" established by a city or town in the Com-206 monwealth pursuant to paragraph (e) of Section 4D of this 207 Chapter. Such scrap tire processors must maintain a log, with 208 name, signature, address of resident delivering scrap tires, and the 209 number of scrap tires and date of delivery of such scrap tires to 210 such processor. Said log of residential scrap tires delivered to 211 scrap tire processor must be maintained by scrap tire processor for 212 a period of six years from date of delivery of scrap tires and must 213 be made available to the Department for inspection upon request.
- Section 4I. Storage, Management, and Disposal of Scrap Tires.
- Within twelve months of the effective date of this Act, the
- 216 Department shall promulgate regulations prescribing the standards
- 217 for the storage, management, and disposal of scrap tires. Regula-218 tions pertaining to storage, management, and disposal of scrap
- 219 tires by scrap tire collectors must include, at minimum, the 220 following:
- (a) criteria for minimizing the danger of fires, including dimensions for piling tires and minimum aisle spacing;
- (b) vector and nuisance control plan;
- (c) recordkeeping and reporting;
- 225 (d) security of disposal facility;
- (e) indoor and outdoor scrap tire storage requirements;
- 227 (f) financial assurance criteria, as required by Section 4K of
- 228 this Act; and
- (g) closure plans, as required by Section 4K of this Act.

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230 In order to ensure that regulations developed under this section 231 minimize the danger of fires, the Department shall consult with 232 and obtain the approval of the state fire marshal.

233 Section 4J. Collection, transportation, storage, etc., of scrap 234 tires: prohibited acts.

235 No person shall sell, collect, transport, store, process, or dispose of scrap tires in a manner inconsistent with any provision of 236 this chapter, or of any rule, regulation, standard, license, permit, order, or approval issued or adopted hereunder. 238

No scrap tire collector or person who otherwise comes into pos-239 240 session of scrap tires shall transfer custody or possession of such 241 tires to any other person without signing a Scrap Tire Manage-242 ment Tracking Form in accordance with Section 4F; provided, 243 however, that the Department, by regulation, may exempt from 244 this prohibition the transfer of up to five scrap tires by a person 245 who is a resident of the Commonwealth and who transfers custody 246 of such scrap tires to a scrap tire transporter, registered in accor-247 dance with section 4G of this chapter, as part of a "scrap tire amnesty day" established by a town or city in the Commonwealth pursuant to paragraph (d) of section 4D of this Chapter. 249

No scrap tire collector or person who otherwise comes into possession of scrap tires or shredded tire material shall transfer cus-252 tody or possession of such scrap tires or shredded tire materials to 253 any scrap tire transporter or scrap tire processor who does not 254 have a valid registration issued pursuant to this Chapter.

No scrap tire transporter shall transport scrap tires or shredded 256 tire material to any person other than a scrap tire processor, end use market, solid waste disposal facility that is operating in accordance with Section 4I of this chapter, or to a location designated 258 for the purpose of a "scrap tire amnesty day" in accordance with 260 paragraph (d), Section 4D, and regulations issued or adopted here-261 under.

262 No scrap tire processor shall accept scrap tires or shredded tire material from any person other than a scrap tire transporter registered in accordance with section 4G of this Chapter. 264

265 No person shall act in the capacity of, or advertise as, or assume to act as a scrap tire transporter or processor unless such 266 person is in possession of a valid scrap tire transporter or 267 268 processor registration issued pursuant to this chapter.

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- 269 Section 4K. Financial Assurance and Closure.
- 270 (a) Within 12 months of the effective date of this Act, the 271 Department shall promulgate regulations requiring that scrap tire collectors and the owners and/or operators of scrap tire stockpiles, 272 273 except as may be specifically exempted by the Department in such 274 regulations, submit plans to be followed in the event of any neces-275 sary closure of scrap tire stockpiles or any sites or locations where 276 scrap tires are located. Regulations shall address the requirements of closure and post-closure plans. Such plans must be submitted 277 278 by subject scrap tire collectors and be approved by the Depart-279 ment. Such plans must be developed and submitted to the Depart-280 ment by scrap tire collectors as well as by owners and/or operators of scrap tire stockpiles. 281
- (b) Within 12 months of the effective date of this Act, the 283 Department shall promulgate regulations requiring a scrap tire 284 collector to establish or obtain, and continuously maintain, financial assurance that is adequate to assure the Department that the scrap tire collector is at all times financially capable of complying with this Act and the regulations promulgated under it. The finan-288 cial assurance required under this Act shall be no less than the 289 estimated cost of closure and post-closure activities with respect 290 to the scrap tires under the control or in the possession of the scrap tire collector.
- 292 Section 4L. Encouraging the Reuse, Processing, Recycling, and 293 Retreading of Scrap Tires, and the Purchase of Retreaded Scrap 294 Tires and/or Products Made From Whole or Processed Scrap 295 Tires.
- Within twelve months of the effective date of this Act, the 297 Department, as part of the Scrap Tire Management Program, will establish a program to encourage the processing and reuse of scrap tires, the retreading of tires, development of end use markets 300 for scrap tires in the Commonwealth and the purchase by the Commonwealth and its political subdivisions of products made 302 from recycled and/or whole scrap tires and retreaded tires. The program must include at a minimum:
 - (a) a list of scrap tire processors in the Commonwealth;
- 305 (b) developing, updating, and making available upon request to 306 government agencies and the public, a list of tire retreaders and 307 suppliers of products made from whole and processed scrap tires,

308 including information on the types of products made by such sup-309 pliers and the addresses and telephone numbers of such retreaders 310 and suppliers;

- 311 (c) a program to provide low interest loans and grants to sup-312 port business endeavors involving reuse and/or processing of 313 scrap tires or the manufacturing of products made with scrap tire 314 content;
- 315 (d) updating the "Recycling Services Directory and Market 316 Guides for Massachusetts" and other pertinent documents and 317 publications concerning recycling to include scrap tire recycling 318 and scrap tire services in the Commonwealth;
- 319 (e) the establishment by the Commonwealth of a preventive 320 maintenance program for state vehicles to extend the life of tires, 321 the program shall include training materials related to extending 322 tire life and methods for proper tire repair; and
- (f) coordinating with other departments and agencies of the 323 Commonwealth, providing specific guidance to the Massachusetts 324 325 Highway Department, concerning the development of procure-326 ment specifications encouraging the use of whole and/or processed scrap tires, retreaded tires, and products made from 327 328 whole or processed scrap tires. The procurement specifications shall include a preference for the use of whole and/or processed 329 330 scrap tires, retreaded tires, and products made from whole or processed scrap tires where such scrap tires, retreaded tires, or 331 332 products cost no more than 10 percent above the cost of alterna-333 tives to the use of scrap tires, retreaded tires, or products not made 334 from whole or processed scrap tires, provided that five years after 335 the enactment date of this Chapter, in order for the preference to 336 apply, the cost differential may not be more than five percent. 337 Additionally, for agencies and departments of the Commonwealth, 338 but not for cities and/or towns in the Commonwealth, the procure-339 ment specifications shall mandate — rather than create a prefer-340 ence for — the use of processed scrap tires and/or products made 341 from whole or processed scrap tires, where the processor can 342 demonstrate through recordkeeping in accordance with regulations 343 to be developed by the Department under paragraph (b) of section 344 4H that at least 10% of the scrap tires recycled or processed by the 345 processor have been obtained from stockpiles identified and listed 346 by the Department under 4B, provided that such products cost no

- $347\,$ more than 10% above the cost of comparable products made
- 348 without the use of recycled or processed scrap tires. This para-
- 349 graph of Section 4L shall apply notwithstanding any contrary pro-
- 350 visions of the GL Chapter 30B and any other law governing
- 351 procurement.